(19) World Intellectual Property Organization International Bureau





(43) International Publication Date 27 September 2007 (27.09.2007)

PCT

(10) International Publication Number WO 2007/107184 A1

(51) International Patent Classification:

A23K 1/16 (2006.01)

A61K 31/197 (2006.01)

A23K 1/18 (2006.01)

A61P 43/00 (2006.01)

(21) International Application Number:

PCT/EP2006/060926

- (22) International Filing Date: 21 March 2006 (21.03.2006)
- (25) Filing Language:

English

(26) Publication Language:

English

- (71) Applicant (for all designated States except US): TAM-INCO [BE/BE]; Pantserschipstraat 207, B-9000 Gent (BE).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): JANSSENS, Geert [BE/BE]; Warande 53, B-9270 Merelbeke (BE). KALMAR, Isabelle [BE/BE]; Gelukstraat 20, B-9000 Gent (BE). ROOSE, Peter [BE/BE]; A. De Pesseroeylaan 18, B-9831 Sint-Martens-Latem (BE). SEGERS, Steven [BE/BE]; Pardassenhoek 5, B-9550 Herzele (BE). VANNESTE, Plet [BE/BE]; Krepelstraat 93 D, B-9400 Denderwindeke (BE).

- (74) Agents: VAN REET, Joseph et al.; Holidaystraat 5, B-1831 Diegem (BE).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: TREATMENT OF POULTRY FOR INCREASING THE FEED CONVERSION RATE OR FOR REDUCING THE INCIDENCE OF ASCITES

$$R_1$$
 COOH R_2 (I)

(57) Abstract: The invention relates to a method for the non-therapeutic treatment of poultry for the purpose of reducing the conversion rate of the feed used to raise the poultry. The treatment comprises orally administering at least one glycine compound to the poultry, which glycine compound corresponds to the following formula (I) or to a salt thereof: wherein R₁ and R₂ are independently an alkyl, an alkenyl or a hydroxyalkyl radical containing 1 to 18, preferably 1 to 6 carbon atoms or wherein R₁ and R₂ form

jointly together with the N atom a heterocyclic 5- or 6-membered ring. The glycine compound is preferably N, N-dimethylglycine (DMG). The invention also relates to the therapeutic and second medical use of that glycine compound to reduce the incidence of ascites, and to a feed for poultry containing an amount of that glycine compound.